VPCF1190X Configure-to-Order

VAIO® F Series Notebook PC

Ultimate Performance

POWERFUL PERFORMACE

Enjoy the powerful performance of an Intel® Core™ i7 processor with Intel® Turbo Boost Technology[21] up to (3.06GHz) and available 8GB of pre-installed system memory.

The VAIO® F Series notebook comes pre-installed with Genuine Microsoft® Windows® 7

An available NVIDA® GeForce® GT 330M graphics card with 1GB VRAM [10] ensures smooth high definition playback.

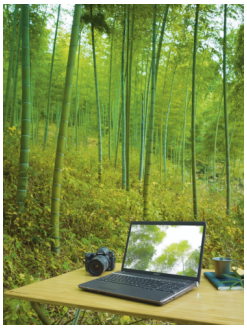
Store your favorite multimedia, important documents, and cherished family photos on a Serial ATA hard drive.

SMARTER TECHNOLOGY

A built-in Assist button launches VAIO Care™ software, a simple do-it yourself PC maintenance tool for tune-ups, troubleshooting and more.

Enjoying your media has never been more fun with the uniquely smart and easy-to-use Sony® Creativity Suite. Get instantly organized with smart sorting features, create personal masterpieces with easy-to-use creative tools and rediscover forgotten music and memories with breakthrough technology that recommends content based on your unique listening and viewing habits.

BORN FROM SONY® HD TECHNOLOGY.



Fall in love with your favorite movies all over again with an extra-wide, theater inspired 16.4" available (1920x1080) Full HD display[4] using energy-efficent LCD technology.

The 16:9 aspect ratio ensures that you won't miss an inch of the original picture from your favorite movie while also providing valuable extra workspace. Compare two documents or websites side-by-side without the hassle of having to tab back and forth.

A Blu-ray Disc™ optical drive lets you playback[20] Blu-ray Disc™ movies in crystal-clear resolution.

Take advantage of the convenience and utility of DVD and CD read/write functionalities.

An HDMI™ output delivers video and audio to external sources via a single cable so you can enjoy HD entertainment on your compatible big screen TV without a myriad of extra cables (HDMI™ cable sold separately).

ENDLESS FEATURES

A backlit keyboard frames the keys with a soft glow and illuminates the keys for convenient typing day or night.

The VAIO® F Series notebook, designed with dedicated AV Controls, makes navigating through your favorite multimedia quick and easy.

Stay connected to friends and family while on the road with real-time video conferencing[11] using the MOTION EYE® camera and microphone with face-tracking technology.

Maximum performance and amazing HD entertainment on a top-notch 16.4" widescreen notebook[4] with a backlit keyboard and integrated number pad. And with a quad core Intel® Core™ i7 processor, dedicated NVIDIA® GeForce® graphics, and avaliable Blu-ray Disc™ drive[20], you will experience the ultimate in smart performance and a razor-sharp picture with amazing depth and clarity.

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VAIO® F Series Notebook PC

Specifications

General

Computer Type: Notebook
Action Buttons: S1,VAIO, Assist, Play / Pause / Stop, Wireless on / off, Display off
Pointing Device: Electro-static touchpad (Multi-Finger)

Hardware

Keyboard: QWERTY, 103 keys with 2.0mm stroke and 19.05mm pitch
Camera: Built-in MOTION EYE® camera and microphone with face-tracking technology
10-Key Numeric Pad: Yes
Backlit Keyboard: Yes

Processor

Type: Intel® Core® i7-820QM Processor (Configuration 1) Intel® Core® i7-720QM Processor (Configuration 2)
Speed: 1.73GHz[1] with Turbo Boost Technology up to 3.06GHz (Configuration 1) 1.60GHz[1] with Turbo Boost Technology up to 2.80GHz (Configuration 2)
Technology: Intel® Turbo Boost Technology[21]
L3 Cache: 6MB (Configuration 1) 8MB (Configuration 2)

Memory

Installed: 8GB (4GBx2) 6GB (4GB+2GB), 4GB (2GBx2)
Maximum: 8GB
Type/Speed: DDR3/1333MHz

Hard Drive

Capacity: 640GB (Configuration 1), 500GB (Configuration 2), 320GB (Configuration 3)
Speed: 5400rpm or 7200rpm (Configuration 2 and 3)
Type: Serial ATA

Optical Drive

BD-R DL Read: 4x max (available with BD-ROM and Blu-ray Disc option)
BD-R DL Write: 4x max (only available with Blu-ray Disc option)
BD-R Read: 6x max (available with BD-ROM and Blu-ray Disc option)
BD-R Write: 6x max (only available with Blu-ray Disc option)
BD-RE DL Read: 4x max (available with BD-ROM and Blu-ray Disc option)
BD-RE DL Write: 2x max (only available with Blu-ray Disc option)
BD-RE Read: 4x max (available with BD-ROM and Blu-ray Disc option)
BD-RE Write: 2x max (only available with Blu-ray Disc option)
BD-ROM Read: 6x max (available with BD-ROM and Blu-ray Disc option)
Blu-ray Disc™ Support: Read Only[20] (BD-ROM)
CD Support: Read / Write (CD/-R/-RW)
DVD Support: Read / Write (DVD±R/±RW/±R DL/-RAM)

Expansion Slots

Multimedia Card Reader: One Memory Stick PRO™ (STD / Duo) media slot with MagicGate® functionality
One ExpressCard® / 34 media slot
One Secure Digital (SD memory card) media slot

Audio

Sound System: Intel® High Definition Audio w/ Dolby® Home Theather® v3

Display

Screen Size: 16.4"[4]
Resolution: 1600 x 900, 1920 x 1080
Technology: Full HD (available with 1GB VRAM only)

Graphics

Processor: NVIDIA® GeForce® 310M GPU with Total Available Graphics Memory up to 4094MB (max.)[10] (Configuration 1) or NVIDIA® GeForce® GT 330M with total Availabe Graphics Memory up to 4606MB (max)[10] (Configuration 2)
Video RAM: 512MB (Configuration 1) or 1GB (configuration 2) of Dedicated VRAM
Chipset: Mobile Intel® PM55 Express Chipset
Max. External Resolution via VGA: 2048x1536
Max. External Display Resolution via HDMI™ : 1920x1080[17]

Inputs and Outputs

Headphone Jack: 1
Microphone Input: 1
USB Port(s): 2 (USB) 2.0, 1 (eSATA)
VGA Output(s): 1
DC-In: 1
i.LINK® Connection: 1 (4pin) i.LINK® connector (IEEE 1394)[6]
S/PDIF Output(s): 1
Ethernet Connection (s): 1
HDMI™ Output: 1
Internal Microphone: 1

Power

Battery Type: Standard Capacity Lithium-ion Battery
Estimated Battery Life: Up to 4 hours[7] Standard Capacity Battery
Up to 6 hours[7] Large Capacity Battery
Power Requirements: 150W+10%

Start-up Times

Average Boot Time: 60 sec[18]
Average Resume Time from Suspend: 2 sec[18]
First Boot Time: 5 min[19]

Wireless/Networking

Ethernet Protocol: 10Base-T/100Base-TX/1000Base-T
Ethernet Speed: Fast Ethernet (RJ-45)
Wi-Fi: 802.11 b/g/n[3]
Bluetooth Technology: Integrated Stereo A2DP (2.1 + EDR)[15]

Software

Operating System: Microsoft® Windows® 7 Home Premium, Professional or Ultimate 64-bit[13]
Supplied Software: Microsoft® Works SE 9.0 w/ 60-Day Trial Version of Microsoft® Home and Student or Small Business 2007[12]
Anti-Virus Software: Norton Internet Security™ 2010 30-Day Trial Offer[14]
System Maintenance and Support: VAIO Care™ - System diagnostics and maintenance
Sony® Creativity Suite: PMB – VAIO® Edition - Import, organize, edit and publish in one easy-to-use program
VAIO® Media Gallery - Bring forgotten favorites to life
VAIO® Media plus - Multimedia Streaming Software
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.

Service and Warranty Information

Telephone Support: 1 year toll-free technical assistance available 24/7[9] at 888-476-6972
Online and Email Support: Available at http://www.esupport.sony.com/EN/VAIO
Onsite/In-Home Service: 1 year limited warranty with Onsite/In-Home Service[16]. See actual warranty for details.
International Service: 1 year international service plan. Registration required. See www.sony.com/IRSP for details.
Limited Warranty Term: 1 year limited warranty[8]. See actual warranty for details.

Environmental Information

EPEAT™ : Silver
RoHS®: Compliant
ENERGY STAR®: 5.0

Dimensions

Weight: 6.9 lbs (with standard capacity battery)
Measurements: 15.3"(W) x 1.22-1.62"(H) x 10.4"(D)[5]

Supplied Accessories

Standard Capacity Lithium-ion Battery (5000mAh)
AC Adapter
Power Cord

Optional Accessories

Stick AC Adapter (VGP-AC19V15)
Additional Standard Capacity Battery (VGP-BPS21A/B)
Large Capacity Battery (VGP-BPL21)
Campus Messenger Bag (VGP-AMB14/B)
Bluetooth® Remote Mouse[23] (VGP-BMS80)
Bluetooth® Aluminum Slider Mouse[23] (VGP-BMS10/B)
Bluetooth® Keyboard[23] (VGP-BKB1)

Color: Black or Gray

1. GHz denotes microprocessor internal clock speed and may vary.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires 802.11n compatible access point. Some functionality may require Internet services.
4. Viewable area measured diagonally.
5. Measured at the narrowest point
6. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
7. Actual battery life may vary based on product settings, usage patterns and environmental conditions.
8. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.sony.com/pcsupport, call toll-free 888-476-6972 (888-4SONYPC) or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
9. For certain third party software applications, Sony provides first level phone support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the aplicable software vendor.
10. Total Available Graphics Memory refers to the new Windows® 7classification of graphics memory, which varies depending on the operating condition, version of device driver and system memory size.
11. Broadband Internet service required along with third party services which may require a subscription or other service fee.
12. 60-Day Trial Version of Microsoft® Office 2007 - This trial software will work only for 60 days after you first use it. You will not be able to use the software if you dont activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 60-day trial period, you must convert to the perpetual version. You can convert online by following the conversion instgructions presented during setup and paying the required fees.
13. Compatibility and performance in a 64-bit environment may vary.
14. Norton Internet Security™ 2010 30-day subscription is pre-installed on your Sony VAIO PC. You need to activate the software for the product to work. After your 30-days are finished, buy Norton Internet Security to continue to be protected from viruses, hackers and identify theft.
15. Interoperability and compatibility among Bluetooth® devices vary.
16. When available, Sony will provide Onsite/In-Home Service in fulfillment of its limited warranty obligations. Any such services are subject to the terms and conditions of the limited warranty. See actual Limited Warranty for details. Onsite/In-Home Service will be provided via third-party technician to be dispatched as needed following phone-based troubleshooting. Some repairs may be accomplished with self repair kits. Onsite/In-Home Service may not be available in all locations.
17. Requires high definition-capable display with HDMI™ connector. Image quality will vary.
18. Based on original factory image and will vary with product configuration changes and additional software added to the hard drive.
19. Excluding end user interaction
20. Certain circumstances may limit/prevent Blu-ray Disc™ media playback.
21. Intel Turbo Boost Technology performance varies depending on hardware, software and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel Turbo Boost Technology. For more information, see http://www.intel.com/technology/turboboost

Computer Interface: For this product, there are a multitude of varying software packages and add-on hardware options. This product is not manufactured to work with any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned here. Sony hereby disclaims any representations or warranties that this product is compatible with any combination of non-Sony products you may choose to connect to it. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony computer are subject to change without notice. Preinstalled software may not be identical to retail versions or have all documentation. Features and specifications are subject to change without notice. Non-metric weights and measures are approximate and may vary.
Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).
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